

IN THE CLAIMS:

1 (original). Apparatus for displaying images represented by image-representative input signals, comprising:

rows of micro light sources for producing sheets of light;

a diffractive panel, in the path of said sheets of light, which receives said input signals and diffracts said sheets of light to obtain diffracted light imparted with image-representative information; and

a Schleiren optical system for processing said diffracted light to produce images represented by said image-representative input signals.

2 (original). Apparatus as defined by claim 1, wherein said input signals comprise video signals.

3 (original). Apparatus as defined by claim 1, wherein said micro light sources comprise microlasers.

4 (original). Apparatus as defined by claim 1, wherein said Schleiren optical system includes a Schleiren lens, output Schleiren bars, and a projection lens.

5 (original). Apparatus as defined by claim 1, wherein said diffractive panel comprises a transmissive liquid crystal panel.

6 - 22 (cancelled).

23 (original). A method for displaying images represented by image-representative input signals, comprising the steps of

- providing rows of light sources for producing sheets of light;
- providing a modulator, in the path of said sheets of light, which receives said input signals and diffracts said sheets of light to obtain diffracted light imparted with image-representative information; and
- providing a Schleiren optical system for processing said diffracted light to produce images represented by said image-representative input signals.

24 (original). The method as defined by claim 23, wherein said step of providing rows of light sources comprises providing rows of micro light sources.

25 (original). The method as defined by claim 23, wherein said step of providing rows of light sources comprises providing rows of microlasers.

26 (original). The method as defined by claim 23, wherein said step of providing

a modulator comprises providing a diffraction panel.

27 – 35 (cancelled).

36 (new). Apparatus as defined by claim 1, wherein said sheets of light produced by said rows of micro light sources are in the form of light that emanates from a Schleiren input grating.

37 (new). Apparatus as defined by claim 5, wherein said sheets of light produced by said rows of micro light sources are in the form of light that emanates from a Schleiren input grating.

38 (new). The method as defined by claim 23, wherein said step of providing rows of light sources for producing sheets of light is operative to produce sheets of light that are in the form of light which emanates from a Schleiren input grating.